Entered in NID File Entered On S R Sheet Location Map Pinned Card Indexed W R for State or Fee Land	Checked by Chief Cary NID to Field (Approval Letter Disapproval Letter	Office
COMPLETE SAFEL S-25-57 Bate Well Safel S-25-57 GW VW YA W	Location Inspected Bond released State of Fee Lai	<u> </u>
Driller's Log (No.)) Electric Logs (No.)) E. J. Will Store		Misto V
Scout Report sent out Noted in the NID File		

Date Completed, P. & A. or operations suspended

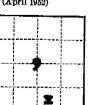
Pin changed or location map

Affidavit and flacerd of A & P

Water Sour-Off Test

Gas-Oil Ratio Test

Well Log Filed



(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

Indian A	gency Vindow
	Hook, Arizona
Allottee	fribal Lands
	1-1/19-1/11/1-912

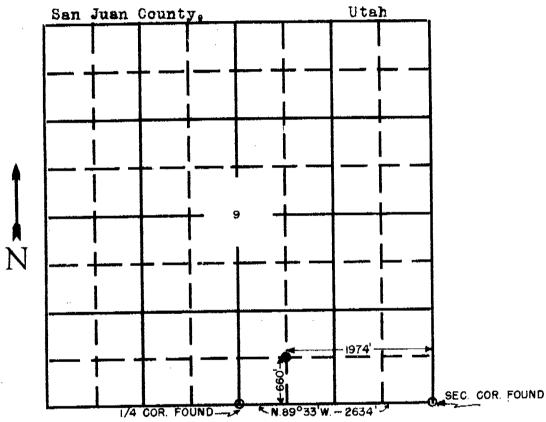
SUNDRY	NOTICES	AND RE	PORT	rs on w	ELLS	
NOTICE OF INTENTION TO DRILL		SUBSEQU	ENT REPORT	F OF WATER SHUT-)FF	
NOTICE OF INTENTION TO CHANGE		1 1		OF SHOOTING OR		
NOTICE OF INTENTION TO TEST WA	TER SHUT-OFF	SUBSEQL	ENT REPORT	OF ALTERING CAS	ING	
NOTICE OF INTENTION TO REDRILL	OR REPAIR WELL	SUBSEQU	ENT REPORT	OF REDRILLING O	R REPAIR	
NOTICE OF INTENTION TO SHOOT	OR ACIDIZE	SUBSEQL	ENT REPORT	OF ABANDONMEN		
NOTICE OF INTENTION TO PULL OF	ALTER CASING	SUPPLEM	ENTARY WE	LL HISTORY	,,,,,,,	
NOTICE OF INTENTION TO ABANDO	N WELL			···		
(INDIC	ATE ABOVE BY CHECK M	ARK NATURE OF RE	PORT, NOTIC	E, OR OTHER DATA)		
		***********		Anary	7	., 19 .56
Hoverseep Well No2 is lo	ocated 60 ft.	from S line	and 197	L.ft. from	[E] line of se	c 9
(34 Sec. and Sec. No.)	<u>los</u>	263		LBH		
	(Twp.)	(Range)		(Meridian)		
(Field)		inty or Subdivision)			or Territory)	
(State names of and expected depths 1. Drill 11" hole to 2. Kun and cement 8 3. Drill 7 7/8" hole	to objective sands; showing points, and in 1300**. 5/8* casting to total departments.	at 1300 * * * oth of 7400	d lengths of t proposed w	ercks com	s tructi on	cement.
4. If commercial proofinerwise plug as	ni abandon in	ac cordance				
Surface formation	n is Dakota A	ormation _e				
I understand that this plan of we		al in writing by the	Geological	Survey before opera	itions may be co	nmenced.
Company Sell 11	C CHARACTA					
Address 33 Michard	is Street			,	Л	
Selt Iske	City, Utah		Ву	NWS	hesand	<i></i>
			Ti+lo	D. W. She	p ard	
		 ,	1 1616	Exploite	iton ingin	841

WELL NO HOVENWEEP No. 2

SEC. 9

T. 40 S. R. 26 E. S.L.M.

LOCATION 1974' from the east line,
660' from the south line



Scale: 4 inches equals 1 mile

Ungraded ground elevation 49591.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my

knowledge and bellet.

John A. Kroeger

Reg. Land Surveyor

Utah Registration No. 1648

60.1860 00% A. KD0000

Jan 5, 1957

January 8, 1957

Shell Cil Gompany 33 Richards St. Salt Lake City, Utak

Gentlemen:

This is to acknowledge receipt of your natice of intention to drill Well No. Hovemweep 2, which is to be located 660 feet from the south line and 1974 feet from the east line of Section 9, Township 46 South, Hange 26 East, SLEM, San Juan County.

Please be advised that insofar as this office is conserned, approval to drill said well is hereby granted.

Yours very truly.

OIL & GAS CONSUNVATION COMMISSION

GLEON B. FRIGHT SECRETARY

OBF: en

es: Phil McGreth USGS, Farmington, New Mexico

Form	9-	-331	b
(Angu	9t	1949)

Budget Bureau No. 42-R359.1.

	ai expires 11-30-49.
	Nevajo
 .	

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Tribal	Lands
Allotte 1-1)19-1	NE-0125
Leaso No.	All the same of th

X

	SUNDRY NOTICES	AND REPORTS ON WELLS
NOTICE OF INTE	NTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTE	NTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTE	NTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTE	NTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.
NOTICE OF INTE	NTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTE	NTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTE	NTION TO ABANDON WELL	
	(INDICATE ABOVE BY CHECK MA	ARK NATURE OF REPORT, NOTICE, OR OTHER DATA)
		, 19
	sweep 2 is located 660 ft.	from $\begin{bmatrix} N \\ S \end{bmatrix}$ line and 1974 ft. from $\begin{bmatrix} M \\ W \end{bmatrix}$ line of sec.
· 3 9	408	26 8 SL 6 %
()4 Sec. ar	nd Sec. No.) (Twp.)	(Range) (Meridian)
	feid) (Cou	inty or Subdivision) (State or Territory) (Evel is ft. (approx. ground)
. 6 ¹ 7 33 c	in and amousted (1336') &	weizes, weights, and lengths of proposed casings; indicate mudding jobs, comen all other important proposed work) 8-5/8*, 28% casing at 1353' with 400 sacks at treated with 2% calcius chloride, 113%/cu
ed shoud c	of cement. No cement ret around outside of casing	turns to surface. Sinished 5:00 A.A. 1-22-; with 170 sacks construction cement. Tests 700 psi for 15 minutes, OK.
I understand t	Shell Gil Company	al in writing by the Geological Survey before operations may be commenced.
Address	33 Richards Street Salt Lake City, Utah	By By W. Shaperd
		Title Axploitation Engineer
		Tid Axploatation angineer

(SUBMIT IN TRIPLICATE)

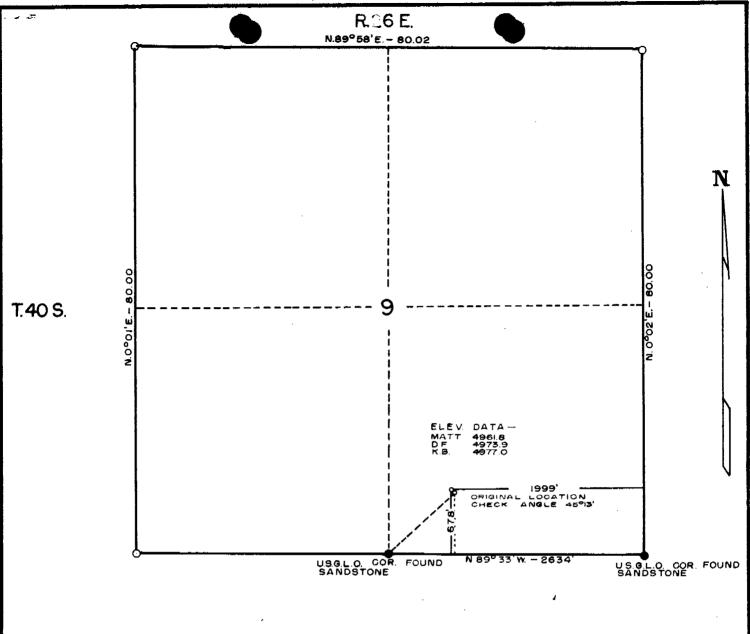
Budget Bureau No. 42-R-359.3. Approval expires 12-31-55. Edian Agency MINCOW

Rock, Arisona Allottee Tribal Lankis

Lone No. 1-149-IND-9125

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

SUNDRY	NOTICES	ANI) REPOR	IS ON V	VELLS	
NOTICE OF INTENTION TO DRILL			SUBSEQUENT REPOR	T OF WATER SHUT	-OFF	
NOTICE OF INTENTION TO CHANGE	PLANS		SUBSEQUENT REPOR	T OF SHOOTING O	R ACIDIZING	
NOTICE OF INTENTION TO TEST WAT	ER SHUT-OFF		SUBSEQUENT REPOR	T OF ALTERING CA	SING	
NOTICE OF INTENTION TO REDRILL	OR REPAIR WELL		SUBSEQUENT REPOR	T OF REDRILLING	OR REPAIR	
NOTICE OF INTENTION TO SHOOT OF	R ACIDIZE		SUBSEQUENT REPOR	T OF ABANDONME	4T	
NOTICE OF INTENTION TO PULL OR	ALTER CASING		SUPPLEMENTARY WE	LL HISTORY		
NOTICE OF INTENTION TO ABANDON	WELL					
(INDICA	te above by check ma	RK NATU)	
		*****		Jonuary	28	., 19 .57 .
Well No is lo	cated678ft.	from (line and _15	99_ft. from	E line of sec	: .5
SF 1/k (4 Sec. and Sec. No.)		(Ra	<u>6E</u>	OIBM (Meridian)		
Wildcat		San J	usan.		Utah	
(Field)	(Cou	nty or Sul	odivision)	(St	ate of Territory)	
The elevation of the slauish	adaga abga aga	olomek i	s 1959 ft. (Approx. Or	ound)	
	DET	AILS	OF WORK			
State names of and expected depths t	o objective sands; shov ing points, and	v sizes, we all other i	ights, and lengths of mportant proposed v	proposed casings; work)	indicate mudding j	obs, cement
l. Drill 11" hele to	1300'±.					
2. Run and cement 8	5/8" casing s	t 130	0'± with 350) sacks cor	straction (cement.
3. Drill 7 7/8" hole	to total dep	th of	7400 <u>+</u> .			
t. If commercial pro- otherwise plug an	duction is ob d abandon in	taine accor	d a suppleme dance with i	entary noti J.S.G.E. re	.ce will be gulations.	issued
Surface formation	is Dakota Fo	ems ti	on.			
I understand that this plan of wor	k must receive approve	ıl in writi	ng by the Geological	Survey before ope	rations may be con	nmenced.
Company Stell 0:1 C	orany					
Address 33 Richards					<i>5</i> //	
Selt-lake-C	1ty, Vish		Ву	B.W. A	hippaul repard	
			Ti+la	B. W. S	epard	
			1 1116	- Exploite	ntgati-nett	2 67



REFERENCE POINT DATUM (Original Location)
I"X2" HUB & GUARD STAKES SET AT 10' NORTH, SOUTH, EAST & WEST OF LOC.
I"X2" STEEL ROD & GUARD STAKE SET AT 150' NORTH, SOUTH, EAST & WEST OF LOC.
I"X2" HUB & GUARD STAKE SET S.28°52'E-270' FROM LOC. FOR B.M. ELEV.= 4963.02
ORIGINAL LOCATION MARKED BY 3/4" IRON PIPE SET 1974' FROM THE EAST LINE
& 660' FROM THE SOUTH LINE OF SEC.9, T.40S., R.26E., S.L.M.
LOCATION OF THE WELL AS DRILLED IS 1999' FROM THE EAST LINE & 678'

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision, during the month of January, 1957, and that the same are true and correct to the best of my knowledge and belief. Dated this 25th. day of January, 1957.

John A. Kroeger, Reg./Land Surveyor, No. 1648

Drawn By A.C.T.

Checked By A.C.T.

Date I-25-57

SHELL OIL COMPANY

Scale |" = 1000' Z16-698 - 3

LOCATION OF HOVENWEEP NO. 2 SAN JUAN COUNTY, UTAH, T.40S., R.26E.-S.L.M.



SHELL OIL COMPANY

DAVIS 2-0471 TELEPHONE 22-047T

DESERET NEWS BUILDING
33 RICHARDS STREET
SALT LAKE CITY 1. UTAH

January 29, 1957

Oil and Gas Conservation Commission State of Utah 140 Capitol Building Salt Lake City, Utah

Gentlemen:

The original location for our Hovenweep 2 well was topographically such that it was necessary to place the drilling rig a short distance to the northwest of the surveyed location. The location at the drilling rig has been resurveyed and is as follows:

1999' from the E. line and 678' from the S. line of Section 9, T. 40 S., R. 26 E., S.L.B.M., San Juan County, Utah.

Attached please find in duplicate an amended Notice of Intention to Drill with plats for our Hovenweep 2.

Very truly yours,

B. W. Shepard

Exploitation Engineer

Attach.

WHILE.	MO	2	
-	70	_	

Hovenweep Area (FIELD) San Juan, Utah (COUNTY)

1-18-57 to 2-18-57

T405 R26E (TOWNSHIP OR RANGHO)

DAY	DAY DEPTHS		THE PROPERTY OF THE PROPERTY O
57	PROM	TO	Location: 678' N and 1999' W of SE corner Section 9, T40S, R26E, SLBM, San Juan County, Utah.
			Elevations: Mat 4961.8 DF 4973.9 KB 4977.0
1-18	0	4 35	Drilled 35'. Spudded 6:00 PM 1-18-57.
1-19 to 1-20	35	902	Drilled 867'. Twisted off at 765', fished for 9 hours with overshot and recovered. Drilled. Twisted off at 902', waited on fishing tools and fished for 7 hours, recovered fish.
1-21	902	1375	Drilled 473'. Ran 31 jts 1336' of 8-5/8", 28#, J-55 casing cement at 1353 with 400 sacks construction cement, last 100 sacks treated with 2% calcium chloride, no cement returns to surface. Cemented around outside of casing (1" pipe) with 170 sacks cement. Pressure tested BOP and casing with 750 psi for 15 minutes, OK.
1-24	1375	1925	Drilled 550'. Twisted off at 1925'. Fished 5 hours, recovered fish.
1-25 to 2-2	1925	2300	Drilled 375'. Ran bit encountered iron at 1657'. Pulled. Ran electrical survey and found shoe joint broke off of surface casing (top 1657-bottom 1702). With blank drill pipe at 1728 plugged with 150 sacks construction cement. Located top of cement at 1560'. Cleaned out to 1674, bit stopped on iron. Cemented with 200 sacks treated construction cement. Pulled above cement, closed BOP rams, squeezed away 7 bbl at 1600 psi in 45 minutes. Waited on cement. Located top of cement at 1302'. Cleaned out hard cement to 1500'. Set Whipstock #1 at 1500'. Drilled by Whipstock with 5-5/8" bit to 1510'. Opened hole to 7-7/8" - deviation 1510 - 5-3/4°. Drilled to 1540', set Whipstock #2 at 1540'. Drilled by casing joint.
2-3 to 2-7	2300	3474	Drilled 11741. Changed to gypsum base mud 2998-3296. Encountered water flow at 3400 - conditioned mud while drilling.
2-8 to 2-18	3474	4690	Drilled 1216'. Drill pipe became stuck in key seat through Whipstocked hole. Worked pipe 12 hours. Reamed tight hole.

	CONDITION AT BEGINNING OF PERIOD				
HOLE		CASING SIZE	Depth set		
SIZE	FROM	то			
1					
DR	LL PIPE	L		and the second second	

MUD SUMMARY 1-18-57 - 2-18-57 63-79#/cu ft Vis 38-46 sec 5-15 ec . 2-5/32** WL

Hovenweed Area San Juan. Utah

T403. R26E

(800ATT)		
DEPTHS		RIMARKS
FROM	то	
4690	4754	Drilled 64'. Lost three comes in hole, fished with magnet for ll hours and recovered.
4754	5650	Drilled 896!.
5650		Attempted DST #1 5580-5650 - tool leaked. DST #1A 5579-5650 - Set packer and made initial shut in. Bropped bar, lost mud in annulus. Pulled tester. DST #1B 5574-5650 - Johnston testers. Ran tester with two packers at 5569 and 5574. Four pressure
		recorders 2 at 5562, 5648, 5649. Perforations 5574-5647. No water cushica, 30' air cushion. Tool open 45 minutes, shut in 20 minutes. Immediate faint air blow decreasing to very faint in 20 minutes, decreasing to dead at end of test. Recovered 20' (0.1 bbls) mud before test 53,000 (t) salinity of recovered fluid 53,000 (t) ISIP 225, IFP 110, FFP 110, FSIP 140, HP 3295.
5650	5977	Drilled 327'. Ran electrical survey, microlog, and Gamma Ray-Neutron. DST #2 5640-5820 - Johnston testers. Ran tester with two packers 5633 and 5640. Four pressure recorders 5613, 5618, 5810 and 5815. No water cushion, 90' of air cushion. Per- forations 5640-5810. Tool open 1 hour 30 minutes. Shut in 45 minutes. Strong immediate air blow, strong air blow to end of test. Recovered 326' (1.88 bbls) Slightly water cut mud. Mud before test 44,000 ppm (t). Salinity of mud after test 60,000 ppm (t).
	######################################	770ml TO 4690 4754 4754 5650 5650

11** 0 1375 8-5/8** 1353* 7-7/8** 1375 4690		HOLE		CASING SIZE	DEPTH SET		
	eter	FROM	70				
7-7/8* 1375 4690	11*	ô	1375	8-5/8*	13531	4.	
	7-7/8*	1375	4690	,		. Specific	
	•						

MUD SUMMARY

2-19-57 - 3-8-57

75-84# ou ft

Vis 38-63 sec

6-10 cc WL

2-3/32*

Hovenweep Area (FILLD) San Juan, Utah (COUNTY)

DRILLING REPORT

(SECTION OR LEASE) TAOS, R26E

DAY	DE	PTHS		
	FROM	70	REMARKS	
3-9 to 3-20	5977	7343	Drilled 1366'. Ran Schlumberger (7343') Gaterolog and Laterolog.	mma Ray-Neutron, Microla-
3-21 to 3-23	7343	7402	Drilled 59%. Ran Gamma Ray-Neutron, Microla	terolog and Laterolog.
3-24 to 3-25	7402	T.D.	With open end drill pipe plugged as follows: 7100-7300 - 60 sacks 6550-6750 - 60 sacks 5450-5700 - 75 sacks 2450-2700 - 75 sacks 1570-1700 - 40 sacks 1160-1308 - 50 sacks Located top plug at 10431. Installed marker Released rig 5:00 AM 3 officially abar	with a 10 sack cement car
		·	3-9-57 - 3-25-57 Wt 76-87# eu ft Vis 51-60 sec WL 6-10 ec FC 2-3/32*	

	HOLE		Cabing Size	DEPTH SET		
#125	FROM	то		. 1	1 1 4	
11*	0	1375	8-5/8*	13531		
7- 7/8#	1375	7402				
 ,	<u> </u>	<u> </u>			1	

Jet Drilling Company
Drillers: F. L. Koskie R. Hamel W. L. Clark

Examined by R. W. Olsen 2300 3030

E. M. Wright to

Well Hovenweep 2
Field or Area Hovenweep

				TIEID OF AFEG
	FROM	ТО	%	SHOWS UNDERLINED SAMPLES XXXXXX NOT LAGGED
7	2300	2370	100	Shale, medium red to light purplish red, slightly calcareous to calcareous.
	2370	2380	80	Shale, as above.
٠			20	Limestone, medium purple, mottled light green, IVFA, shaly.
	2380	2390	70	Limestone, as above.
			30	Shale, as above.
	2390	21130	1.00	Limestone, as above.
	2430	2450	70	Siltstone, reddish orange, some purple, calcareous to slightly calcareous.
			30	Limestone, as above.
	2450	2530	100	Siltstone, as above.
	2530	2550	100	Shale, medium purple, non-calcareous.
	2550	2580	100	Sandstone, white to clear, medium grain, sub-angular to sub-rounded.
	2580	2640	100	Shale, purple, non-calcareous, slightly sandy.
	2640	2670		No Samples.
	2670	2700	100	Shale, as above, with some quartz crystals.
	2700	2720	100	Sandstone, white, medium to coarse grained.
	2720	2750	100	Shale, variegated.
	2750	2780	100	Sandstone, white, medium to coarse grain, many free quartz grains.
	2780	2990	100	Shale, varicolored (purple, green, gray), calcareous.
	2990	3000	50	Shale, as above.
			50	Siltstone, reddish orange, slightly calcareous, sandy in part.
	3000	3020	70	Shale, as above.
			30	Siltstone, as above.
	3020	3030	50	Shale, as above.
			40	Siltstone, as above.
			10	Chert, opague white to clear, angular to sub-rounded.

Examined by R. W. Olsen 3030, 3340

Well _______ Z
Field or Area ______ Haverweep

FROM	ТО	%	SHOWS UNDERLINED SAMPLES EXECUTE NOT LAGGED
	1	/0	SAMPLES LARGED ROT LACTED
3030	3080	50	Shale, as above.
		50	Siltstone, as above.
30 80	31.00	50	Sandstone, reddish orange to reddish brown, fine-medium grained, slightly calcareous, micaceous.
		50	Siltstone, reddish crange, slightly calcareous, sandy in part.
3100	3150	80	Siltstone, as above.
		20	Sandstone, as above.
3150	3300	100	Siltstone, as above.
3300	3330	80	Shale, varicolored, predominantly bluish green, grayish green.
		20	Siltstone, as above.
3330	3340	100	Siltstone, reddish orange.

Examined by R. W. Olsen 33kg 3950 F. M. Wright to

Field or Area

Hovenweep 2

			F · Fi.	Field or Areg Hovenweep
	FROM	то	%	SHOWS UNDERLINED SAMPLES EXECUTE NOT LAGGED
-	3340	3350	70	Siltstone, as above.
			30	Shale, variegated (purple, bluish green)
3	350	3 <i>3</i> 80	50	Siltstone, as above.
			50	Shale, as above.
3	3380	3410	100	Shale, mottled, purple and green.
•	01بلا	3450	100	Siltstone, reddish orange, some purple and green mottling.
3	¥150	3550	75	Shale, variegated (purple, green), non-calcareous to calcareous.
			25	Siltstone, as above.
***	3550	36 0 0	100	Siltstone, reddish orange, slightly calcareous to calcareous, very fine, sandy in part.
. 3	3600	3640	100	Sandstone, reddish orange, silty, slightly calcareous.
3	3640	3650	100	Siltstone, as above.
3	3650	3680	50	Sandstone, as above.
			50	Siltstone, as above.
3	3680	3700		No samples.
. 3	3700	3740	100	Siltstone, as above.
3	3740	3750	90	Siltstone, as above.
			10	Sandstone, white, medium grained, angular to sub-rounded, poorly cemented.
3	750	3820	100	Siltstone, as above.
3	820	3860	100	Sandstone, reddish orange, very fine grained, calcareous to very calcareous, slightly argillaceous.
_	860	39 30	100	Sandstone, reddish purple, fine-medium grained, angular to sub-rounded, calcareous, micaceous.
") "PER 3	19 3 0	3950	50	Sandstone, as above.
			50	Shale, reddish orange, sandy, slightly calcareous.

Examined by R.W. Olsen 3950 1500 1500

Field or Area Hoverneep

FROM	ТО	%	SHOWS UNDERLINED SAMPLES KARRE NOT LAGGED
	· · · · · · · · · · · · · · · · · · ·		
3950	3990	100	Shale, as above.
39 90	4000	10	Sandstone, white, medium grained, micaceous.
		90	Shale, as above.
4000	14150	100	Siltstone, reddish orange, calcareous, sandy.
4150	4160	70	Siltstone, as above.
		30	Sandstone, light pink to brown, fine grained, slightly calcareous, very friable.
4160	14200	100	Siltstone, as above.
4200	4210	100	Siltstone, brown, sandy, calcareous.
4210	4250	50	Siltstone, brown, as above.
		50	Sandstone, brown, very fine to fine grained.
4250	4300	1.00	Sandstone, as above.
4300	4320	, 70	Shale, reddish orange, slightly calcareous, very slightly sandy.
		30	Shale, bluish gray.
4320	4360	100	Shale, variegated.
4360	排30	100	Shale, reddish orange, slightly calcareous.
141430	4450	100	Sandstone, brown, very fine grained, slightly calcareous to calcareous.
山50	77160	80	Siltstone, reddish orange, calcareous.
		20	Limestone, light gray to light brown, IVFA.
种60	4475	80	Siltstone, as above.
		20	Shale, bluish gray, slightly calcareous.
4475	4500	50	Sandstone, medium brown, very fine grained, very calcareous.
		50	Siltstone, as above.

Exe	imined by	E.M.	Olsen 4500 to 4710 Wright to Field or Area Bovenweep
FROM	ТО	D.L. 1	T CHANG IN SEC. M. S.
	1.0	70	SHOWS UNDERLINED SAMPLES EXCUSE NOT LAGGED
4500	4515	50	Sandstone, very fine grained, calcareous, micaceous.
		70	Siltstone, as above.
-		10	Limestone, medium brown TVFA, slightly sandy.
4515	4535	50	Siltstone, as above.
		50	Sandstone, as above.
4535	4550	45	Sandstone, as above.
		45	Siltstone, as above.
		10	Limestone, as above.
4550	4565	80	Siltstone, brown to reddish orange, sandy, calcareous.
		20	Limestone, as above.
4565	4580	100	Limestone, white to medium grayish brown, IVFA.
4580	4610	50	Limestone, as above.
		50	Sandstone, very fine-fine grained, micaceous.
4610	4625	100	Limestone, white to medium brown, IVFA.
4625	4630	100	Limestone, light grayish brown, IVF-LA, sandy in part, clear, translucent chert fragments.
4630	4640	100	Limestone, white to light grayish brown, I-II VFA.
4640	4645	60	Limestone, brown, IVFA.
		40	Siltstone, medium gray, calcareous.
4645	4650	100	Shale, pale green and purple, silty and sandy in part.
4650	4660	100	Sandstone, light-medium grained, fair-coarse grained, calcareous.
4660	4670	50	Sandstone, as above.
		50)	Shale, light green, calcareous.
4670	4675	100	Shale, light green and brown, calcareous.
4675	4710	100	Limestone, light grayish brown, I-III VFA, very silty to sandy.

Exa	Examined by R.W. Olsen 4710 to 4895 E.M. Wright to Field or Area Hovenweep D.L. Baars							
FROM	ТО	%	SHOWS UNDERLINED SAMPLES THREET NOT LAGGED					
4710	4725	100	<u>Limestone</u> , brown to grayish brown, III FA- IVFA.					
4725	4740	100	Limestone, white, tan, brown, IVF-FA.					
h7h0	4745	70	Limestone, tan, IVFA.					
		30	Shale, tan, light green.					
4745	4750	100	Shale, as above. (Samples very poor)					
4750	4775	100	Limestone, grayish brown, IVF-LA, sandy in part, fossiliferous, trace chert.					
4775	4790	100	Limestone, tan to brown, I-III VFA with white milky chert.					
4790	4795	100	Limestone, tan, IVFA.					
4795	4805	100	Shale, brown to green, calcareous in part.					
4805	4810	100	Limestone, light brown, TII FA, very silty.					
4810	4815	60	Limestone, tan, IVFA.					
		μо	Limestone, as above.					
4815	4825	60	Shale, brown, calcargous.					
		1ю	Limestone, tan, IVFA.					
4825	4835	100	Limestone, light grayish brown, IVFA.					
4835	4840	60	Limestone, white to tan, I-IIVFA, sandy in part.					
		40	Shale, tan, calcareous, soft.					
4840	4865	00 <i>f</i>	Limestone, as above.					
4865	4875	100	Limestone, tan, IVF-LA, pseudo-colitic in part.					
4875	4885	100	Shale, brown, calcareous.					
4885	4890	100	Sandstone, white to tan, fine-medium grained, fine-poorly sorted, calcareous, micaceous.					
4890	4895	60	Limestone, light gray, III VF-FA.					
		ĬΌ	Sandstone, as above.					

Examined by R.W. Olsen 4895,05080

D.L. Baars 10

L. Baars to _____ Field or

Field or Area Bovenness

	FROM	TO	%	SHOWS UNDERLINED SAMPLES TOT LAGGE)
	<u>'</u>				
••	4895	14900	100	<u>Limestone</u> , as above.	
	4900	4910	100	Limestone, tan, IVF-LA.	
	4910	4915	60	Shale, dark gray, calcareces, silty.	
			40	Limestone, as above.	
	4915	4925	100	Shale, as above.	
	4925	4930	100	Limestone, tan to light gray, IVFA, crinoids.	
	4930	4935	100	Shale, medium gray, soft, calcareous.	
	4935	4945	100	Sandstone, tan, very fine-fine grained, calcareous, micaceous.	
	4945	4950	50	Sandstone, as above.	
			50	Limestone, tan, III VF-FA, sandy in part.	
	1950	4955	100	Limestone, medium brown to tam, I-III VFA, silty and sandy.	
	4955	4960	100	Limestone, tan-medium brown, IVF-MA, sandy.	
	4960	4965	100	Limestone, tan-light gray, I-III VFA, very sandy.	
	4965	1970	100	Limestone, tan, IVFA, fairly sandy, rare light gray chart.	
	4970	4990		No samples.	
	4990	5020	100	Siltstone, light-medium gray, calcareous.	
	5020	5030	100	Limestone, light grayish brown, IVFA, sandy.	
	5030	5055	100	Limestone, medium gray, I-III VF-FA, very argillaceous and silty.	•
	5055	5065	100	Limestone, tan-light gray brown, IVFA.	
	5065	5070	100	Limestone, mottled brown and gray, IVF-MA, pseudo-colitic.	
	5070	5075	40	Limestone, as above.	
٠			40	Limestone, ten, IF-LA.	
		•	20	Shale, black.	
	5075	5080	50	Siltstone, gray, calcareous.	
			50	Limestone, light grayish brown, IVFA.	
		. :			

Examined by R.W. Olsen 508Q. 5295 R.L. Knight to

Field or Area Hovenweep

		•	******	Field or	Field or Area		
	FROM	то	%	SHOWS UNDERLINED	SAMPLES CONTENT NOT LAGGED		
	5080	5090	70	Limestone, as above.			
			30	Siltstone, as above.			
	5090	50 95	60	Shale, light gray.			
		•	ΡO	Limestone, as above.			
	5095	5100	50	Shale, as above.	, -		
			50	Limestone, tan, IFA.			
•	5100	5120	100	Siltstone, light gray, very calcareous.			
	5120	5 <u>يار</u> 0	100	Limestone, tan, IVFA.			
	5140	5160	100	Limestone, medium, brownish gray, IVFA,	slightly argillaceous.		
	5160	5175	100	Sandstone, light gray, very fine graine calcareous, slightly micaceo			
	5175	5195	100	Limestone, tan, IVFA.			
	5195	5200	100	Limestone, medium gray, I-III VF-FA, ar	gillaceous.		
	5200	5205	70	Limestone, as above.			
			30	Shale, medium gray, calcareous.			
	5205	5215	60	Limestone, as above.			
			μo	Shale, as above.			
	5215	5235	100	Limestone, medium gray, as above.			
	523 5	5240	80	Limestone, as above.			
			20	Sandstone, light gray, very fine graine	d, very calcareous.		
	5240	5245	50	Limestone, as above.			
			50	Sandstone, as above.			
	5245	5280	100	Limestone, as above.			
	5 28 0	5 2 85	100	Shale, medium gray, silty, calcareous.			
	5285	5295	100	Limestone, white-tan, IFA.			

Ho vermeep

 		1		
 FROM	ТО	%	SHOWS UNDERLINED	SAMPLES XXXXXXXX NOT IA GGED
5295	5300	50	Limestone, as above.	, , , , , , , , , , , , , , , , , , ,
		50	Shale, light gray, silty, calcareous.	
5300	5310	100	Shale, light gray, very calcareous.	
5310	5315	100	Limestone, light brown, IVFA.	
5315	5320	100	Siltstone, light gray, very calcareous.	
5320	5330	50	Limestone, as above.	
		50	Sandstone, tan, very fine grained, very c	alcareous.
5330	5345	190	Sandstone, as above.	· · · · · · · · · · · · · · · · · · ·
5345	5350	100	Limestone, tan, IVFA.	·
5350	53 55	50	Limestone, as above.	
		50	Sandstone, as above.	
5355	5370	100	Limestone, tan, IVFA, very sandy.	
5370	5375	100	Limestone, medium-dark brown, I-III VF-FA	
5375	5385	100	Limestone, light brown, IVFA, with rare li	pt gray chert.
538 5	5400	100	Limestone, light brown, I-III VF-FA.	
5400	5415	100	Limestone, tan-light gray shale, brown, I	VF-FA.
5415	5425	80	Limestone, as above.	
		20	Chert, light gray, translucent.	
5425	5440	100	Limestone, light grayish brown, IVFA, with	rare chert fragments.
5440	5445	100	Limestone, tan, IVFA.	
5445	5450	50	Limestone, as above.	
		50	Sandstone, white, very fine grained, very	calcareous.
51,50	5455	100	Limestone, as above.	
5455	5475	100	Limestone, light brown, I-III VF-FA, sand	7 •

Examined by R.W. Olsen 5475 5655 R.L. Knight 10

L. Knight 10 Well

Field or Area Hovenweep

	FROM	то	%	SHOWS UNDERLINED	SAMPLES INCIDENT NOT LAGGED
	صود اس	r1 0a	<u> </u>		
	5475	5480	50	Shale, medium gray, silty, calcareous.	
			50	Siltstone, gray, calcareous.	
	5480	5490	1.00	Shale, as above.	
	5490	5495	100	Siltstone, gray, very calcareous.	
	5495	5505	100	Shale, black, very calcareous.	
-	5505	5515	50	Shale, as above.	
			50	Limestone, light brown, IVFA.	
	5515	5525	100	Limestone, tan, I-III VF-FA.	
	5525	5530	80	<u>Limestone</u> , as above.	
		٠	20	Anhydrite, light gray,	
	5530	5535	50	Limestone, as above.	
			50	Anhydrite, as above.	
	5535	5560	100	Anhydrite, white, medium-coarse, crystal	lline.
	5560	55 7 5	100	Limestone, tan, IVFA.	
	5575	5590	100	Limestone, tan, I-III VF-FA.	
	5590	5600	100	Dolomite, light brown, IIIIA, very pale faint yellow cut fluorescence.	blue, 10% spotty fluorescence,
	5600	5610	100	Dolomite, tan, III FA, calcareous, very no cut fluorescence.	pale blue 10% spotty fluorescence,
	5610	5615	100	Dolomite, light grayish brown, I-III VF- pale bluish yellow 30% spotty fluorescence.	FA plus trace B & C, anhydritic, fluorescence, faint cut
	5615	5625	100	Dolomite, light gray, III F-MA plus trace above.	ce B & C, anhydritic, shows as
	5625	5630	100	Limestone, white, II VFA, very soft.	
	5630	5650	100	Limestone, light gray to white, I-II VFA	, very soft.
	5650	5655	60	Shale, dark gray-black, soft.	
	•		40	Limestone, tan, IVF-LA.	

Examined by R.W. Ols R.L. Kni			ight to Field or Area Hovenween
FROM	то	D.L. Ba	SHOWS UNDERLINED SAMPLES THESED NOT LAGGED
			SAWILES ZIMIZO NOI LIBIGED
5655	5660	100	Limestone, white-light tan, IVF-LA, anhydritic, 40% uniform greenish- yellow spotty fluorescence and cut fluorescence.
5660	5675	100	Limestone, as above, becoming III FA in part, 1% spotty yellow fluorescence, and cut fluorescence.
5675	5690	100	Dolomite, tan, III VF-MA, slightly calcareous, anhydritic in part, slightly oil stained.
5690	5695	- 80	Dolomite, as above, 50% uniform to spotty greenish yellow fluorescence and cut fluorescence.
		20	Shale, black, slightly calcareous and silty.
56 9 5	5700	60	Dolomite, as above.
		40	Shale, as above.
5700	571 5	100	Shale, as above.
5715	5730	60	Shale, as above. 2-3% spotty pale-bright yellow spotty fluorescence and cut fluorescence.
		40	Limestone, tan-light grayish brown, IVF-III FA. Trace spotty pale-bright yellow fluorescence and cut fluorescence.
5 73 0	5745	100	Dolomite, tan, III FA, very calcareous, 2-5% spotty very faint pale yellow fluorescence and cut fluorescence.
5745	5750	100	Dolomite, medium-dark brown, III FA, 2-5% spotty very faint pale yellow fluorescence and cut fluorescence.
5750	5755	100	Dolomite, as above, becoming tan III VFA, anhydritic inclusions in part, 3-5% spotty yellow fluorescence and cut fluorescence.
57 <i>5</i> 5	5765	80	Dolomite, as above, shows as above.
		20	Anhydrite, as above.
5765	5770	100	Dolomite, brown, IVFA, argillaceous, 5% pale yellow spotty fluorescence and cut fluorescence.
5770	5775	70	Dolomite, as above, 5-10% medium-bright yellow spotty fluorescence, faint cut fluorescence.
		30	Shale, dark gray-black, dolomitic.

Examined by		ined by		Nsen 5775 Cnight to			W Field or A	Yell	2 Hoverwe	ep
F	ROM	то	%	SHOWS UNDE	RLINED			SAMP	ES INSTITUTE	OT LAGGED
5	5 77 5	5785	50	Dolomite,	brown, III FA, very faint cut			e yell	ow spetty fl	worescence,
		,	30	Shale, as	above.	* * * * * * * * * * * * * * * * * * * *				
			20	Anhydrite.					a Teoritana	·
5	785	5790	7 0	Dolomite,	as above, 5% faint cut fluo			spott	fluorescen	ce, very
			30	Anhydrite	•		<u>;</u>			
5	5 79 0	5795	. 60	Dolomite,	medium dark br	own, III	VF-FA,	shows	as above.	
			40	Anhydrite.	•			, ,		
5	5795	5800	100	Dolomite,	dark brown, II 100% uniform g bright yellow	<u>reenish y</u>	<u>rellow s</u>	potty :	l stain and fluorescence	oil odor,
5	800	5805	60	Limestone,	, tan to brown,	IVFA.		-		
			40	Dolomite,	as above. 40% fluorescence.	greenish	vellow	spott	v fluorescen	ce and cut
5	805	5810	100	<u>Limestone</u> ,	, as above.			•	\$	
5	810	5840	100	Shale, bla	ick.	,				
5	840	5855	100	Limestone,	light gray to	brown, I	-III VFA	l, in p	part delomit	ie.
5	855	5870	100	Dolomite,	tan, III VFA,	slightly	calcared	us.		
5	870	5885	100	Anhydrite.					٧	
5	885	6030	100	<u>Halite</u> , wi	th minor anhydi	rite.				
6	030	6040	100	Anhydrite.					-	
6	040	6050	100	Halite.					٠.	
6	050	6060	100	Interbedde	d Halite and Ar	hydrite.				
6	06 0	6075	100	Halite.						
6	075	6085	100	Anhydrite.						
					•				•	

Examined by	R. W.	Olsen 6085 to 6775 Well 2
	R. L.	Knight to Field or Area Hovenveep
м то	%	SHOWS UNDERLINED SAMPLES KARGES NOT LAGGED
35 6170	100	Halite.
70 618 5	100	Anhydrite.
35 6200	100	Halite.
00 6220	100	Dolomite, tan, III VFA, calcareous in part, 10% bright yellow spotty fluorescence and cut fluorescence.
20 6235	100	Anhydrite.
35 6240	100	Dolomite, as above, no shows.
40 625 0	50	Dolomite, as above.
•	50	Shale, black, silty in part.
50 63 10	100	Shale, black, as above.
LO 6330	100	Halite.
30 6380	100	Shale, as above.
30 6430	90	Shale, as above.
	10	Anhydrite.
30 6720	100	<u>Halite</u> .
20 6730	100	Shale, black.
30 6760	100	Sandstone, medium gray to brown, very fine grained, calcareous, argillaceous.
60 6765	50	Sandstone, as above.
	30	Anhydrite.
	20	Shale, black.
65 6770	50	Limestone, light grayish brown, IVFA.
	50	Anhydrite, white with brown, III FA dolomite inclusions.
70 6775	50	Siltstone, light gray, calcareous.
	50	Anhydrite.
	M TO 35 6170 70 6185 35 6200 20 6235 35 6240 30 6330 30 6380 30 6380 30 6720 20 6730 30 6760 30 6765	D. L. M TO % 35 6170 100 35 6200 100 35 6200 100 36 6220 100 36 6235 100 36 6240 100 30 6310 100 30 6330 100 30 6380 100 30 6430 90 10 60 6720 100 30 6760 100 30 6760 100 30 6765 50 30 20 35 6770 50 50 50 50 70 6775 50

Examined by R. W. Olsen 6775 6925 R. L. Knight to

Field or Area

Hovenveen

•		-	к. ь.	Anight to	Field or A	\rea	Hovenveep
	FROM	ТО	%	SHOWS UNDERLINED		SAMPLES	named not lagged
	6775	6780	50	Siltstone, as above.			
			30	Limestone, tan, IVFA.		•	
		•	20	Dolomite, dark brown, III FA.			
	6780	6785	50	Limestone, light brownish gray,			trace very faint bluish
			50	Limestone, white, III FA, very		07950800)	vellow spotty fluores- cence, very pale yellow
	6785	6800	100	Limestone, medium brown, IVFA.			cut fluorescence.
	6800	6810	100	Limestone, light gray, IVF-MA.	•	6800-6840)	trace very faint
	6810	6825	100	Limestone, light grayish brown,	IVFA.		fluorescence. no cut fluorescence.
	6825	6835	100	Dolomite, light gray, III FA, as	rgillace	ous.	TIMOLOGOGICE.
	6835	6840	80	Dolomite, as above.			•
			20	Anhydrite.	V.		
	6840	6855	100	Dolomite, light brownish gray,	III F-MA	, with whi	te anhydrite inclusions.
ı	6855	6865	100	Dolomite, medium gray, III F-MA	, very a	rgillaceou	s, anhydritic.
	6865	6875	50	Dolomite, as above.			
			50	Siltstone, pale gray, very cales	areous.		•
	6875	6900	100	Dolomite, light gray, III FA, as	rgillace	ous.	•
	6900	6905	100	Dolomite, light to medium brown	, III F⊣	MA.	•
	6905	6910	100	Dolomite, medium gray, brown II	I FA, an	hydritic.	
	6910	6915	60	Anhydrite, white.			
			40	Dolomite, light brown, III FA.			
	6915	6920	50	Anhydrite, as above. 20% strong strong yellow cut flu	g unifor uorescen	m yellow s	potty fluorescence,
			50	Dolomite, light medium brown, II:	I FA.		
	6920	6925	40	Anhydrite, 10% spotty fluoresco	ence and	cut fluor	escence as above.
			60	Dolomite, as above.			

	Examined by R. W. Olsen 6925 to 7035 Well 2							
	Exam	ined by E.	L. Kr	night to Field or Area Hovenveep				
-	FROM	ТО	% A	SHOWS UNDERLINED SAMPLES TRESPOR NOT LAGGED	_			
	6925	6 9 30	100	Dolomite, dark gray, III FA, very argillaceous probably silty.				
	6930	6945	100	Dolomite, as above. 6940-6945) trace spotty fluorescence as above, very pale yellow cut	,			
	6945	6955	100	Dolomite, light gray, III FA. fluorescence.				
	6955	6960	40	Dolomite, as above.				
			60	Limestone, dark brown, IVFA.				
,	6960	6965	100	Limestone, medium brown, I VF-FA.				
	69 65	6970	100	Limestone, as above.				
	6970	6975	100	Limestone, as above.				
	6975	6980	100	Limestone, as above.	•			
	6980	6985	100	Limestone, medium gray, I VF-FA.				
	6985	6990	100	Limestone, light gray brown, I VF-MA with few veins calcite.				
	6990	6995	100	Limestone, as above.				
	6995	7000	100	Limestone, as above.				
	7000	7005	100	Limestone, as above.				
	7005	7010	100	Limestone, as above.				
	7010	7015	100	Limestone, as above.				
	7015	7020	100	Limestone, as above.				
	702 0	7025	20	Chert, tan, translucent, spicular.				
			80	Limestone, tan, I VF-FA.				
٠.			tr	Limestone, medium green, III FA.				
	7025	7030	10	Chert, as above.				
			10	Sandstone, light green, very fine, angular, argillaceous, calcareous.				
			10	Limestone, medium green, I VFA.				
		•	70	Limestone, tan, I VF-FA.				
٠	7030	7035	90	Limestone, tan, I VFA.				

	Exam	ined by	R. L.	Knight 7030 7115	
			La La R W	Ambert to Field or Area Hovenmen	
	FROM	ТО	%	SHOWS UNDERLINED SAMPLES CHEEK NOT LAGGED	
			10	Limestone, light green, I VFA.	
	7035	7040	100	Sandstone, light gray, very fine, angular, very calcareous, well sorted.	
	70 40	7045	100	Sandatone, as above.	
i	7045	7050	50	Sandatone, as above.	
	•		50	Limestone, tan-white, I-II VF-FA.	
	7050	7055	100	Limestone, as above.	
	7055	7060	30	Shale, light green mottled red, very calcareous.	
			7 0	Limestone, light green, I VFA.	
	7060	7065	30	Shale, light gray mottled purple, calcareous.	
			70	Limestone, as above.	
	7065	7070	50	Limestone, tan I VF-MA with fusilinids.	
			50	Limestone, light green, mottled purple, I VFA.	
	7070	7075	100	Limestone, light brownish gray, I-III VF-FA.	
	7075	7080	70	Limestone, as above. Sample top molas - 7080.	
		•	30	Limestone, medium green, III FA.	
	7060	7085	20	Chert, white and orange.	
			80	Limestone, purple, 1 VFA.	
	7085	7090	20	Chert, as above.	
		В	80	Limestone, purple, I VFA, argillaceous and sandy.	
	7090	7095	100	Limestone, as above with chert fragments.	
	7095	7100	100	Limestone, as above.	
	7100	7105	100	Shale, orange, silty, calcareous, very soft.	
	7105	7110	100	Shale, as above.	
	7110	7115	100	Limestone, light purple, I VFA.	

Exo	mined by		Knight	Well	2
			Aubertto	Field or Area	<u> Kovenveep</u>
FROM	ТО	%	SHOWS UNDERLINED	SAMPLES	KARRE NOT LAGGED
7115	7170	100	Limestone, as above.		
7120	7125	7 0	Limestone, light tan, I VFA.		. ,
		30	Shale, purple.		
7125	7130	100	Limestone, as above with shell f	ragments.	•
7130	7140	50	Limestone, as above.		
		50	Shale, as above.		
7140	7 155	30	Limestone, as above.		
		70	Shale, as above.		
7155	7195	100	Limestone, white I-III FA with s	hell fragments.	
7195	7205	100	Limestone, as above.		
7205	7230	50	Limestone, as above.		
		50	Shale, black.		
7230	7265	100	Limestone, white, III FA, colitic	c.	
7265	7295	75	Limestone, as above.		
7295	7305	25 100	Limestone, tan, I VFA: Limestone, tan, as above, trace	dolomite (III FA)	· .
7305	7325	50	Limestone, as above.	7295-7310	trace pale vellow
7325	7330	50 100	Dolomite, tan, III FA. Dolomite, tan-light brown, III MA	•	spotty fluorescence, light cut fluorescence,
7330	7350	100	Dolomite, tan-brown, III FA.		when crushed.
7350	7365	100	Dolomite, gray-light brown, III M	A.	· 1
7365	7402	100	Dolomite, as above with trace of	. B.	•

January 30, 1957

Shell Oil Company Desert News Building 33 Richards Street Salt Lake City, Utah

Re: Well No. Hovenweep 2

Gentlemen:

This is to acknowledge receipt of your amended notice of intention to drill relative to the above mentioned well.

Please be advised that insofer as this office is concerned approved to drill said well 1999 feet from the east line and 678 feet from the south line of Section 9, Township 40 South, Range 26 East, SIPM, San Juan Gounty, Utah, is hereby granted.

Yours very truly,

OIL & CAS CONSERVATION COMMISSION

GLEON B. FEIGHT SECRETARY

CBF: on

ce: Phil McGrath

USGS, Farmington,

New Mexico

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R-359.3. Approval expires 12-31-55.

Indian Agency	Mava jo-kindow
Rock,	Arizona

Allottee Tribal Lands

Lease No. I-149-IND-9125

SUN	DRY NOTICES	AND REPO	ORTS ON WELL	LS Chara
 	· · ·	l 11		2-18
OTICE OF INTENTION TO			REPORT OF WATER SHUT-OFF	
OTICE OF INTENTION TO		1 1	REPORT OF SHOOTING OR ACIDIZ	
	TEST WATER SHUT-OFF		REPORT OF ALTERING CASING	
	REDRILL OR REPAIR WELL		REPORT OF REDRILLING OR REPA	1 1
OTICE OF INTENTION TO		i K	REPORT OF ABANDONMENT	i w i
	PULL OR ALTER CASING	i li	RY WELL HISTORY	
OTICE OF INTENTION TO	ABANDON WELL			
	(INDICATE ABOVE BY CHECK MA	RK NATURE OF REPORT,	NOTICE, OR OTHER DATA)	
		**************************************	February 5	, 19. 57
	is located676ft.	from S line and	()	e of sec9
SE 9 (14 Sec. and Sec. No	.) (Twp.)	(Range)	(Meridian)	
•				
Valideat (Field)		nty or Subdivision)	(State of Ten	
ate names of and expect	ed depths to objective sands; show ing points, and s	sizes, weights, and leng Ill other important prop	ths of proposed casings; indicate : osed work)	mudding jobs, cement-
26 to 2-4-57	bridge at 1657'. joint had broken of With blank drill propertuction sement to 1674' and bit a construction cement squeezed away 7 bb. Finished 8:00 P.M. cement at 1302'. at 1500'. Brilled	Pulled, ran Elf of surface ipe at 1728; t. Located to topped on iron t. Pulled about 1.28-57. Was Cleaned out of camed out of camed out of the pulled about the	Lectrical Survey an casing (top 1657', plugged with 150 so op of cement at 156 a. Cemented with 2 ove cement, closed at 1000 psi. in h5 ited on cemented.	d found shoe, bottom 1702'). leks treated O', cleaned out OO sacks treated BOP rams, minutes. Located top of It whipstock #1
I understand that this ;	lan of work must receive approva	I in writing by the Gool		over)
ompany hel	1 O11 Company		^	
ldress33 A	Lchards Street		-	
Salt	Jake City, Itah	,	By BWSh	424
			The state of the s	

Title_

Exploitation Engineer

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Bt Aj	idget Bureau No. 42- pproval expires 11–30	R359.1. -49.
Indian Age	Window	Rock
***************************************	Arizona	- -
Allottee	Tribal La	nds
	I-149-IND	-9125

SUNDRY NOTICES AND REPORTS ON WELLS

			7	
NOTICE OF IN	FENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INT	TENTION TO CHANGE PLANS	St	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INT	TENTION TO TEST WATER SHUT-OFF	St	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INT	TENTION TO REDRILL OR REPAIR WELL	รเ	SUBSEQUENT REPORT OF REDRILLING OR REPAIR.	
NOTICE OF INT	TENTION TO SHOOT OR ACIDIZE	-11	SUBSEQUENT REPORT OF ABANDONMENT	1 1
NOTICE OF INT	TENTION TO PULL OR ALTER CASING	St	SUPPLEMENTARY WELL HISTORY	
NOTICE OF IN	TENTION TO ABANDON WELL			
	(INDICATE ABOVE BY CHECK MARK	NATURE	E OF REPORT, NOTICE, OR OTHER DATA)	
			March 25	10 57
••		\		, 19
Н	ovenweep	(MXX	M 7 000 (F) -	- 0
Well No	is located 0/8 ft. fr	om S	line and $\frac{1999}{1}$ ft. from $\frac{E}{N}$ line of	of sec
SE/4	and Sec. No.) (Twp.)	26E		
			- · · · · · · · · · · · · · · · · · · ·	
Wildcat	San Ju an		Utah	
	(Field) (County Kelly Bushing	or Subdi	division) (State or Territor	נעי
The elevation	on of the dentition above sea le	vel is	4977 ft.	
2110 010 / 4010				
	DETA	ils o	OF WORK	
(State names of	and expected depths to objective sands; show at	zes, weig	ghts, and lengths of proposed casings; indicate mu nportant proposed work)	dding jobs, coment-
	ing points, and au	Ortiol 1111	Whotegue Stoboson were	
Status:				
	Total Depth - 7402' Casing - 8 5/8" @ 1308 Hole size - 7 7/8" from 1 Penetrated top of Leadvil			
Proposed	work:			
	1. Plug as follows throu a. With 60 sacks b. With 60 sacks	7100-	-7300 (200	ver)
I understand	i that this plan of work must receive approval i	n writing	ng by the Geological Survey before operations may	-
Company	Sh-33 043 0			
Address	33 Richards St.	-	.45	
	Salt Lake City Division	_	By B. W. Shepard	7
******		-	B. W. Shepard	
		-	Title Exploitation Eng	neer

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R359.4. Approval expires 12-31-60.

Indian Agency Window Rock

Arizona

Allottee Tribal Lands

Lease No. 1-149-INT-9125

x

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY.
NOTICE OF INTENTION TO ABANDON WELL	
-48884888448884448884-444	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

				17 2 1.
Ho venweep Well No. 2	is located 678 ft. fr	$\operatorname{fom}\left\{S\right\}$ line	and 1999 ft. from E	e of sec. 9
SE 4	403	26 E	SLEM	
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
Wildcat	San Juai	a	litah	
(Field)	(County	y or Subdivision)	(State or Terr	itory)
Kell The elevation of the X	lly Rushing KHAKKISA above sea le	evel is 4977	ft.	

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Total depth - 7402' Status Casing - 8 5/8" @ 1308

Hole Size - 7 7/8" from 1308 to total depth.

Abandonment works

- 1. Plugged as follows through open end drill pipe:
 - a. With 60 sacks 7100-7300.
 - b. With 60 sacks 6550-6750.
 - c. With 75 sacks 5450-5700.
 - d. With 75 sacks 2450-2700. e. With 40 sacks 1570-1700.
 - f. With 50 sacks 1160-1308.
- Located top of cement at 1043'.
- Capped with a 10 sack cement plus, installed marker and abandoned in accordance w/ Feg.

Company Shell Cil Company	0565 reg 3-25-57.
Address 108 N. Behrend	
Farmington, New Mexico	By Bu Shepal
	B. W. Shepard Title Exploitation Engineer



U. S. LAND OFFICE WINGOW TOCK, Aris.

SERIAL NUMBER I-149-IND-9125

LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

1-30-57

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Compa	any	bell	Oil Co	apany			Addre	s 101 S.	Behren	d, Fa	rmingt	on, M.H.		
Lessor	or Trac	t	Tribal	lands			Field .	Wildost		State	Utah			
Well N	Ho vern Io2	eop	Sec9.	T. 405 F	26B	Aeridi	an	SIAM	Count	y Sa :	n_Juan			
												ation _4977_ K		
								et record of t						
			ermined f			record	ls.			;				
·	*********	40	4 (NES)			Sign	ed		3. W.	Shepa:	rd			
			1957						-	itati	on- Eng	ineer		
	į	_	_	-				l at above da		_				
Comm	enced di	rilling	:da)	mary 1	5	, 19 5	7 Finis	ned drilling		arch	23	, 1957		
	;	i		O	IL OR		SANDS (ote gas by G	OR ZONES						
No. 1.	from			to:		•				te	1			
	,							No. 4, from to						
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No 1	from	34	20					from	-	to				
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110. 2,	110111	,		- 00			G RECO	-		00	,	******		
Size Weight Threads per			hreads per		<u>_</u>					Perforated				
easing	Weight per foot		inch	Make	Amou	nt F	Cind of shoe	Cut and pulled	from	rom-	То-	Purpose		
:-5/8¤	28/		neer were	Sping	131	6	Pales	sterial used, po			**************************************	Surface		
Theiriett	acked one femina		T WAS BUILD	ester era erasi. Ester erasi.	ואיינטי ליפז	الأراء بعنانا	the well be	s heen denamid	च्या संक्रम	date, siz	o, positio	មានសម្រាធារាជ្រមាន		
1t)	4 of the g	- 00 (08)	, isriyar (,: ,,,,	- 755 BARY A	catibly co	his or	y of the wel	7,10 (5 () (9) (3	in Cath	sto date	9. 08 L e 188.	Maria tenje i je v v		
					PYOR		OIL OR	GAS-WELL-		0 % #e08	V. SCAZENNE	di 580 . COB ALLI.		
		est	**************************************						***-*-					
	<u> </u>	1	*	MUDI	DING A	IND, C	EMENI	ING RECOR	3D					
casing	Where	set	Numb	er sacks of e	ement	M	ethod used	Mud grav	ity	An	nount of m	ud used		
-5/8"	13;	\$3		400		Disp	acemen							
		 				-				*************				
											~~~~~~			
-, 22, 6, 200			attack in a contract		PLUC	is ai	D.ADAF	TERS						
Heavin	e plue-	Mat	erial	<u> </u>			eth		_ Der	th set				

Adapters—N	/aterial		Size		-	
Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			Hope			
		1	TOOLS US	<del></del>	<u> </u>	
Rotary tools	were used fro	om fee	et to - 7402	feet,	and from	feet tofeet
			et to like	idil feet,		feet to feet
Abandos Pare	ed es a "d in 25	ry hole"	<b>DATES</b> Pu	t to produ	icing	, 19
		he first 24 hours wa	ıs l	arrels of	fluid of which	% was oil;%
emulsion;	% water; a	nd% sediment	i.	(	Gravity, °Bé	
If gas w	ell, cu. ft. per	· 24 hours	Gall	ons gasol	ine per 1,000 cu	. ft. of gas
Rock pr	essure, lbs. p	er sq. in	į.			
		, Drille	EMPLOYE r	ES Je	t Drilling C	
	. L. Koskie	, Drille		:	W. L. Clark	Driller
	. Hamel	FOR	RMATION R	ECORD		, 
FROM-	то-	TOTAL FI	EET		FORMATI	ON
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2570	2670	100	Ye	<b>e</b> nkopi		and the second
2670	4540	1870	Cu	t <b>te</b> r Gr	orab	^
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5674	6695	1021	Pa	radox		
6695	7065	370	Lo	ver Her	MOS8.	
7065	7119	54	Mo	las		
7119	7290	171	Lo	edville		
7290	-		M	<b>saiss</b> ip	pian Dolomite	•



#### SHELL OIL COMPANY

Post Office Box 1200 Farmington, New Mexico

June 26, 1961

The State of Utah Oil and Gas Conservation Commission 310 Newhouse Building Salt Lake City 11, Utah

Attention A. W. Glines

Gentlemen:

Regarding your letter of June 22, 1961, we are forwarding two copies each of the following logs on Hovenweep No. 2:

Micro Log Microlaterolog Gamma Ray Neutron Laterolog Electrical Log

Very truly yours,

W. m. mara

RJC:GC

Enclosures

for

R. R. Robison

Division Production Manager